

Title (en)

Process and apparatus for production of monocrystalline and macrocrystalline layers, by example for photovoltaic cells.

Title (de)

Verfahren und Vorrichtung zur Herstellung von einkristallinen und makrokristallinen Schichten, zum Beispiel für Fotozelle.

Title (fr)

Procédé et appareil de fabrication de couches monocristallines et macrocristallines, notamment pour cellules photovoltaïques.

Publication

**EP 0129159 A1 19841227 (EN)**

Application

**EP 84106522 A 19840607**

Priority

FR 8309611 A 19830609

Abstract (en)

The invention relates to production of macrocrystalline and monocrystalline layers. It includes irradiating a polycrystalline layer by sweeping the surface of said layer with a beam focused along a line having a constant power density. Layer material melts in all its thickness but is not vaporised at its outer surface. Material solidifies by forming macrocrystals or, if a seed is provided, a monocrystal. The process is useful for photovoltaic cells.

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**C30B 13/24**; **C30B 29/60**

IPC 8 full level

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CPC (source: EP)

**C30B 13/00** (2013.01); **C30B 13/24** (2013.01); **C30B 29/60** (2013.01)

Citation (search report)

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- [XD] LU 65027 A1 19720711
- [X] DE 2917353 A1 19810312 - DORNIER SYSTEM GMBH

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US5614020A; DE19681075B4; WO9621054A1; WO2006008302A3

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DOCDB simple family (publication)

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